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AIR FORCE OCCUPATIONAL MEASUREMENT CENTER RANDOLPH AFB TX F/6 5/9 DEFENSIVE FIRE CONTROL SYSTEMS CAREER LADDER, AFSCS 321X1E/G.(U) FEB 79 H G LAWRENCE

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10 Harry G./Lawrence

DEFENSIVE FIRE CONTROL SYSTEMS CAREER LADDER AFSCs 321X1E/G

OCCUPATIONAL SURVEY BRANCH
USAF OCCUPATIONAL MEASUREMENT CENTER
RANDOLPH AFB TEXAS 78148

AFPT 90-323-103

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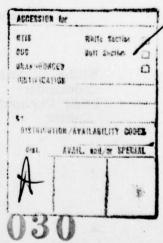


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PREFACE

This report presents the results of a detailed Air Force Occupational Survey of the Defensive Fire Control Systems career ladder, AFSC 321X1E/G. This project was directed by USAF Program Technical Training, Volume 2, dated February 1978. Authority for conducting specialty surveys is contained in AFR 35-2. Computer outputs from which this report was produced are available for use by operating and training officials.

The occupational survey program within the Air Force has been in existence since 1956 when initial research was undertaken by the Air Force Human Resources Laboratory to develop the methodology for conducting occupational surveys. By 1967, an operational survey program was established within Air Training Command and surveys were produced annually on 12 enlisted career ladders. In 1972, the program was expanded to produce occupational surveys of 51 career ladders annually.

The survey instrument was developed by Mr. David E. Williams, Inventory Development Specialist. Mr. Harry G. Lawrence analyzed the survey data and wrote the final report. This report has been reviewed and approved by Lt Col Jimmy L. Mitchell, Chief, Airman Career Ladders Analysis Section, Occupational Survey Branch, USAF Occupational Measurement Center, Randolph AFB, Texas, 78148.

Computer programs for analyzing the occupational data were designed by Dr. Raymond E. Christal, Occupational and Manpower Research Division, Air Force Human Resources Laboratory (AFHRL), and were written by the Project Analysis and Programming Branch, Computational Sciences Division, AFHRL.

Copies of this report are available to air staff sections, major commands, and other interested training and management personnel upon request to the USAF Occupational Measurement Center, attention of the Chief, Occupational Survey Branch (OMY), Randolph AFB, Texas, 78148.

This report has been reviewed and is approved.

BILLY C. McMASTER, Col, USAF Commander USAF Occupational Measurement Center WALTER E. DRISKILL, Ph.D. Chief, Occupational Survey Branch USAF Occupational Measurement Center

SUMMARY OF RESULTS

- 1. Survey Coverage: Inventory booklets were administered to Defensive Fire Control Systems (AFSC 321X1E/G) incumbents during the period March to June 1978. Survey results are based on responses from 331 incumbents or 87 percent of the career ladder incumbents.
- 2. Career Ladder Structure: Three major job groups were identified within the career ladder. Two of these job groups were divided on the basis of shredouts and each group was composed almost entirely of Shredout E or Shredout G incumbents. E and G shredout personnel were performing very similar jobs on different models of B-52 aircraft, and their job structures for each shredout were similar, differing primarily in equipment maintained and breadth of jobs. The third major group was composed of personnel identified as supervisors or managers. These groupings supported the current specialty structure.
- 3. Shredout Comparison: Tasks performed by all incumbents in shredout E were compared to tasks performed by all incumbents in shredout G. Differences were primarily in the type of system being maintained or repaired. Also, shredout G personnel averaged 121 tasks performed as compared to an average of 69 tasks performed by Shredout E personnel.
- 4. Career Ladder Progression: There are clear differences in tasks performed by 5- and 7-skill level DAFSC personnel. In both shredouts, tasks performed by 5-skill level respondents relate to flightline versus shop maintenance and in the type of system being maintained. At the 7-skill level, incumbents were both repairmen and supervisors. Nineskill level incumbents were almost exclusively managers.
- 5. AFR 39-1 Evaluation: Specialty descriptions for all skill levels were compared to the survey data and were found to present a comprehensive view of the major duties and tasks with only minor exceptions.
- 6. STS Review: The STS for each shredout was found to provide good coverage of the tasks performed by the personnel in each shredout. There is considerable overlapping of STS paragraphs and subparagraphs in the two STSs.
- 7. Comparison With The Previous Survey: The results of this report reflected a somewhat similar pattern to that reported in August 1973. The sharp division in duties and tasks performed by each shredout still existed. The background findings for each shredout were also very similar.

OCCUPATIONAL SURVEY REPORT DEFENSIVE FIRE CONTROL SYSTEMS CAREER LADDER (AFSCs 321X1E/G)

INTRODUCTION

This is a report of an occupational survey of the Defensive Fire Control Systems career ladder (AFSC 321X1E/G) which was completed by the Occupational Survey Branch, USAF Occupational Measurement Center, in December 1978.

The present career ladder is divided into two shredouts, E and G. Shredout E personnel are assigned to B-52H units with ASG-21 Turrets, and shredout G personnel to B-52D/G units with MD-9 and ASG-15 Turrets. The 321X1E shredout underwent five successive changes from May 1951 to May 1975. Each change was a reflection of turret and fire control systems modifications and title or AFSC changes. The 321X1G shredout also went through a series of seven changes from March 1954 to October 1976. Each change also reflected changes to turrets and fire control systems, as well as AFSC titles. Throughout all of these changes, the basic tasks of each shredout remained approximately the same: repairing, adjusting, and aligning the various types of Defensive Fire Control Systems (DFCS).

A previous occupational survey of this career ladder was published in August of 1973. Since the 1973 survey, the career ladder has remained relatively stable with no major changes in the classification structure.

An Electronic Principles Occupational Survey report was completed in 1978, and is available from the Occupational Measurement Center upon request.

The current project is intended to reexamine the career ladder in terms of tasks and jobs performed by career ladder respondents. Major areas addressed include: (1) development and administration of the job inventory; (2) the job structure found within the Defensive Fire Control/Systems (DFCS) ladder and how this related to skill level and experience groups; (3) comparisons of the job structure with current career ladder documents such as AFR 39-1 Specialty Descriptions and Specialty Training Standard (STS); and (4) comparison of the current findings with the 1973 survey results.

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METHODOLOGY

The data collection instrument for this occupational survey was USAF Job Inventory AFPT 90-323-103. The task list for the 1973 study of this career ladder (old AFSC 323X0E/G) served as the starting point for the new task inventory. The previous task list was refined through a comprehensive research of publications and directives and through interviews (both in person and by telephone) with training, classification, and assignment personnel and the functional manager at HQ USAF. Personal interviews were conducted with four subject matter specialists (SMSs) at the Technical School at Lowry AFB Colorado, with three SMSs at March AFB California, and with four SMSs at Castle AFB, California.

The tentative inventory was then reviewed by 76 subject matter specialists at 29 bases worldwide and their comments were used to finalize drafts and develop a final inventory booklet. The final inventory consisted of 348 tasks grouped under 11 duties. In addition to the usual personnel information items such as name, rank, AFSC, degree of supervision, and job satisfaction, the inventory requested information on job title and work areas.

Finally to insure that all possible and required information was included in the inventory, a write-in section was provided for incumbents to list any additional tasks not listed plus any comments that the incumbent might think necessary regarding his job or career ladder in general.

SURVEY ADMINISTRATION

During the period March to June 1978, consolidated base personnel offices in operational units worldwide administered the inventory to job incumbents holding a DAFSC of 32131E/G, 32151E/G, 32171E/G, or 32191 or 32192. AFSC 32192 was implemented as an AFSC in the middle of the survey sampling; therefore, the two 9-skill level designations were combined. Members completing the job inventory were required to have held their Duty AFSC at least six weeks and to have been in their present job at least eight weeks.

Each individual who completed the inventory first completed an identification and biographical section, then checked each task performed in their present job. After checking all tasks performed, each incumbent then rated each of these tasks on a nine-point scale showing relative time spent on that task as compared to all other tasks checked. These ratings ranged from one (very-small-amount time spent) through five (about-average time spent) to nine (very-large-amount time spent).

In addition to completing the job inventory, selected 7- or 9-skill incumbents were also asked to complete a second inventory booklet for task difficulty data. This booklet listed only the duty/task list section of the inventory booklets. Each incumbent completing this booklet was asked to rate all of tasks on a nine-point scale from extremely low to extremely high as to the relative difficulty of each task. Difficulty was defined as the length of time it requires an average incumbent to learn to do the task.

SURVEY SAMPLE

All personnel listed in the February 1978 Uniform Airman Report File were selected to participate in this survey so as to insure a balanced representation across MAJCOM and DAFSC groups. The sample consisted of 331 incumbents, of which 69 members were 321X1E personnel, 205 members were 321X1G personnel, and 43 members were 9-skill level incumbents. The remaining percentage failed to indicate their DAFSC. The 69 E- shredout personnel comprised 65 percent of all assigned E-shredout members and the 205 G-shredout incumbents comprised 74 percent of all assigned G-shredout personnel.

Tables 1 and 2 indicate that the survey sample distribution was very close to the assigned manning by major command and by skill level. Overall, these sampling distributions tend to verify that the survey sample is adequate and representative of the overall career ladder population.

Table 3 reflects the proportion of each shredout by Total Active Federal Military Service (TAFMS) groups and is indicative of the relative size of each shredout by enlistment period.

TABLE 1
COMMAND REPRESENTATION

	TOTAL	SAMPLE	321X	IE .	321	X1G
COMMAND	PERCENT OF ASSIGNED	PERCENT OF SAMPLE	PERCENT OF ASSIGNED	PERCENT OF SAMPLE	PERCENT OF ASSIGNED	PERCENT OF SAMPLE
SAC	91	93	90	98	95	96
ATC	9	7	10	2	5	4

TABLE 2

DAFSC REPRESENTATION OF THE SURVEY SAMPLE*

PERCENT OF ASSIGNED	PERCENT OF SAMPLE
7	3
13	14
8	9
11	8
41	34
20	32
	7 13 8 11 41

*9-SKILL LEVELS NOT INCLUDED

TABLE 3

TAFMS REPRESENTATION IN THE SURVEY SAMPLE

TAFMS	1-48	49-96	97-144	145-192	193-240	241+
E SHREDOUT G SHREDOUT	59%	21%	8%	6%	5%	1%
G SUKEDOOT	42%	24%	13%	11%	10%	-

CAREER FIELD STRUCTURE

An essential part of the USAF occupational analysis program is the examination of the career ladder personnel in terms of the actual structure of the job functions they perform rather than how the career field structure is outlined in official documents. This examination of the career ladder structure is made possible by the Comprehensive Occupational Data Analysis Programs (CODAP) which generate a hierarchical clustering of all jobs performed in the field based upon the similarity of tasks performed and the relative time spent on tasks. Background factors such as DAFSC, job title, grade, position, etc. are used only to help describe the members of job groups that the CODAP process has identified.

The basic identifying group used in the hierarchical job structuring analysis is the job type. A job type is a group of individuals who perform many of the same tasks and also spend similiar amounts of time performing them. When there is a substantial degree of similarity between different job types, they are grouped together and labeled as a cluster.

The career ladder structure analysis consists of determining the functional job structure in terms of job types and clusters: Each group is described by the tasks they perform, the time spent performing these tasks, and any relevant background factors. The three clusters and 16 job types found in the 321X1E/G career ladder analysis are listed below and illustrated in Figure 1. Selected background and job satisfaction data for the groups are displayed in Tables 4 through 8. Representative duties, distinguishing tasks, and common background characteristics for all clusters and job types are presented in Appendix A.

I. B-52D/G FCS Cluster (GRP008, N=178)

- A. Flightline Mechanics (GRP095, N=79)
- B. Lead Mechanics (GRP102, N=63)
- C. Shop Lead Technicians (GRP056, N=6)
- D. Line Lead Technicians (GRP038, N=8)
- E. Entry Flightline Mechanics (GRP067, N=6)
- F. Shop Technicians (GRP041, N=10)

SUPERVISORY MANAGEMENT CLUSTER FCS TECH. SCHOOL INSTRUCTORS GRP 034 (N=10)FCS QUALITY CONTROL INSPECTORS GRP 018 (N=9)SUPERVISORY HQS FCS QUALITY CONTROLLERS (N=8) AND GRP MANAGERIAL 078 FCS BRANCH GRP CAREER LADDER STRUCTURE FOR DEFENSIVE FIRE CONTROL SYSTEMS (FCS) CHIEFS (N=30) 088 FIRE CONTROL SYSTEMS FCS SHOP TECHNICIANS GRP B-52H DEFENSIVE TOTAL SAMPLE 089 (N=6)FCS SHOP LEAD MECHANICS (N=6) PERSONNEL GRP 093 CAREER LADDER, AFSC 321X1E/G FCS SHOP MECHANICS (N=6) GRP 033 E H SHREDOUT FCS ENTRY FLIGHT-LINE MECHANICS (N=19) (B-52H)GRP 099 FIGURE 1 FIRE CONTROL SYSTEMS FCS FLIGHTLINE GRP B-52D/G DEFENSIVE MECHANICS 118 (N=8)FCS SUPERVISORS GRP (N=11)073 PERSONNEL FCS SHOP GRP TECHNICIANS (N=10) 041 FCS ENTRY FLIGHT-LINE MECHANICS (N=6) GRP 067 FCS FLIGHTLINE SHOP CHIEFS (N=8) GRP 038 FCS SHOP LEAD TECHNICIANS (N=6) GRP 056 SHREDOUT FCS LEAD GRP MECHANICS (B-52D/G)102 (N=63)FCS FLIGHTLINE GRP MECHANICS 095 (N=79)

工人之外可以为此为一种经验的

II. B-52H FCS Cluster (GRP014, N=60)

- A. Supervisors (GRP073, N=11)
- B. Flightline Mechanics (GRP099, N=8)
- C. Entry Flightline Mechanics (GRP118, N=19)
- D. Shop Mechanics (GRP033, N=6)
- E. Shop Lead Mechanics (GRP093, N=6)
- F. Shop Technicians (GRP089, N=6)

III. Supervisory and Managerial Cluster (GRP010, N=81)

- A. Branch Chiefs (GRP088, N=30)
- B. HQs Quality Control Inspectors (GRP078, N=8)
- C. Quality Control Inspectors (GRP018, N=9)
- D. Technical School Instructors (GRP034, N=10)

Ninety-six percent of the respondents in the sample perform jobs that are generally equivalent to those identified in the analysis. The remaining four percent were assigned jobs such as Electronic Mechanics, Bombing-Navigation System Technicians, Missile Systems Branch Chiefs, Field Shop Supervisors, DFCS Analysts, Expediters, and Truck Drivers.

Group Descriptions

I. B-52D/G FCS Cluster (GRP008, N=178). This large group consisting of Defensive Fire Control System (DFCS) Shop and Flight-This large group line Mechanics and Technicians comprises 54 percent of the total sample. Most members of the group hold DAFSC 321X1G. Forty-five percent of the group hold the 5-skill level, while 36 percent hold the 7-skill level. These respondents spend 42 percent of their time performing DFCS flightline functions and 19 percent of their time performing DFCS shop functions on the MD-9 and ASG-15 DFCSs and associated equipment maintenance. An additional 15 percent of their time is spent performing general FCS flightline functions while 14 percent of this groups' time is spent on supervisory tasks. The group had an average of 121 tasks performed. Common tasks performed by group members include removing or replacing turret cowling or side arms; isolating malfunctions in radar tracking devices; removing or replacing target position computers; performing tracking channel checks; removing or replacing antennas and servo controls; and checking track frequency converter transmitters (FCTs), search pulse sweep generators, modulators, and FEO selector units on B-52D/G aircraft. Job interest is fairly high with 65 percent indicating their jobs were interesting. In addition, members

are generally satisfied with the utilization of their talents and training (see Table 5). Fifty-seven percent of the cluster indicated positive reenlistment intentions. The cluster was composed of six subordinate job types dividing primarily along shop vs flightline assignment, experience, and extent of supervision dimensions.

- II. B-52H FCS Cluster (GRP014, N=60). This group of 60 incumbents spend 58 percent of their time on flightline maintenance and 13 percent of their time on shop maintenance of the ASG-21 DFCS. Thirteen percent of this groups' time is consumed by supervisory and managerial tasks. The group performed an average of 69 tasks. Tasks performed include servicing hydraulic systems, performing operational checkouts, isolating malfunctions on the ASG-21 DFCS, and removing or replacing frequency converter transmitters, tracking control mechanisms, controlled line platforms, and ballistic computers on B-52H aircraft. This cluster has six job types within it, ranging from DFCS supervisors to entry flightline mechanics. The six groups separated along shop vs flightline functions, experience level, and degrees of supervision parameters. Background information is noted in Table 3. The cluster, composed of a majority of E shredout personnel, had relatively low job satisfaction indices (see Table 5). Only 35 percent find their jobs interesting and only 38 percent find their talents being utilized. However, 64 percent reported that their training was utilized fairly well to perfectly. In terms of reenlistment intentions, only 36 percent of the cluster felt they would or probably would reenlist at the end of their enlistment period.
- Supervisory and Managerial Cluster (GRP010, N=81). This group of 81 incumbents generally perform supervisory, training, and general managerial tasks, with 95 percent of their time being spent on tasks in these duties. The average grade of this group was E-7, with the average TAFMS being 208 months. Other background information is noted in Table 4. Tasks performed by this group include evaluating maintenance actions and complying with work standards, inspection reports, or procedures. Other tasks included briefing or debriefing personnel, inspecting shop or flightline facilities, demonstrating how to locate information, evaluating training, and conducting training courses. The cluster divided into four job types: FCS Tech School Instructors, Quality Control Inspectors, HQs Quality Control Inspectors, and Branch Chiefs. The quality control groups separated into two groups based on an headquarters/field assignment dichotomy. Job satisfaction indices for this group of senior airmen were uniformly good, with 80 percent feeling their talents and training were utilized fairly well or better, and 62 percent indicating positive reenlistment intentions (see Table 8).

TABLE 4

RELATIVE PERCENT TIME SPENT BY DUTY FOR EACH CLUSTER

DUTY	B-52D/G FCS CLUSTER (SHREDOUT G) (N=178)	B-52H FCS CLUSTER (SHREDOUT E) (N=60)	SUPERVISORY AND MANAGERIAL CLUSTER (N=81)
SUPERVISORY AND MANAGERIAL			
A ORGANIZING AND PLANNING B DIRECTING AND IMPLEMENTING C EVALUATING D TRAINING	21.62	7987	28 28 11
ADMINISTRATIVE			
E WORKING WITH FORMS, RECORDS, REPORTS, DIRECTIVES, OR TECHNICAL DATA	6	S	16
TECHNICAL			
F PERFORMING GENERAL FIRE CONTROL SYSTEMS (FCS) FLIGHTLINE FUNCTIONS	15	10	
G PERFORMING FLIGHTLINE MAINTENANCE ON ASG-21, DEFENSIVE FIRE CONTROL SYSTEMS (DFCS)	7 7	: -	4
(T) (A)	19	•	,
I PERFORMING FLIGHTLINE MAINTENANCE ON ASG-15 OR MD-9 DEFENSIVE FIRE CONTROL SYSTEMS (DFCS) ON B-52D/G	1	58	2
		13	•
K PERFURMING SHOP MAINTENANCE ON M-3 .50 CALIBER MACHINE GUNS AND ASSOCIATED EQUIPMENT	•		•

TABLE 5

SELECTED BACKGROUND DATA ON FUNCTIONAL GROUPS IN THE B-52D/G FCS CLUSTER

B-52 FCS VARIABLE CLUS	B-52D/G FCS CLUSTER	FCS FLIGHT- LINE MECHANIC	FCS LEAD MECHANIC	FCS SHOP LEAD TECHNICIAN	FCS FLIGHT- LINE LEAD TECHNICIAN	FCS ENTRY FLIGHTLINE MECHANIC	FCS SHOP TECHNICIAN
NUMBER IN GROUP	178	79	63	9	∞	9	10
PERCENT OF SAMPLE	24%	24%	19%	2%	2 %	2%	3%
DAFSC DISTRIBUTION:							
OTHER	7%	2%	•	,	1	•	•
32131	12%	15%	3%	17%		83%	10%
32131	45%	65%	35%	20%		17%	30%
321/1	30%	18%	22%	33%	62%		209
32192			•		38%	•	
AVERAGE GRADE	4.2	3.7	4.5	0.4	5.9	3.0	8.4
AVERAGE TIME IN CAREER FIELD	65 MONTHS	42 S MONTHS	81 S MONTHS	53 MONTHS	143 MONTHS	10 MONTHS	98 MONTHS
AVERAGE TIME IN SERVICE	75 MONTHS	51 S MONTHS	91 S MONTHS	63 S MONTHS	168 MONTHS	13 MONTHS	118 MONTHS
PERCENT IN FIRST ENLISTMENT	%97	63%	29%	20%	12%	100%	30%
PERCENT SUPERVISING	43%	37%	29%	33%	38%	NONE	20%
AVERAGE NUMBER TASKS	121	66	165	110	178	45	57

TABLE 6

SELECTED BACKGROUND DATA ON FUNCTIONAL GROUPS IN THE B-52H FCS CLUSTER

VARIABLE	B-52H FCS CLUSTER	FCS SUPERVISORS	FCS FLIGHTLINE MECHANICS	FCS ENTRY FLIGHTLINE MECHANICS	FCS SHOP MECHANIC	FCS SHOP LEAD MECHANIC	FCS SHOP TECHNICIAN
NUMBER IN GROUP	09	11	80	19	9	9	9
PERCENT OF SAMPLE	18%	3%	2%	%9	2%	2%	ı
DAFSC DISTRIBUTION:							
OTHER	8%	1	1%	10%	•	•	
32131	12%	•	11%	16%	10%	•	•
32151	57%	18%	78%	74%	26%	33%	100%
32192	73%	470	\$ I		947	9/0	
AVERAGE GRADE	4.1	5.1	4.0	3.5	3.5	5.8	4.0
AVERAGE TIME IN CAREER FIELD	47 MONTHS	89 MONTHS	42 MONTHS	28 MONTHS	19 MONTHS	94 MONTHS	33 MONTHS
AVERAGE TIME IN SERVICE	61 MONTHS	120 MONTHS	SHLNOW WONTHS	30 MONTHS	30 MONTHS	139 MONTHS	38 MONTHS
PERCENT IN FIRST ENLISTMENT	63%	NONE	87%	95%	83%	NONE	100%
PERCENT SUPERVISING	30%	100%	13%	%7	NONE	83%	NONE
AVERAGE NUMBER OF TASKS	69	106	63	47	31	128	82

SELECTED BACKGROUND DATA ON FUNCTIONAL GROUPS IN THE SUPERVISORY AND MANAGERIAL CLUSTER TABLE 7

VARIABLES	SUPERVISORY AND MANAGERIAL CLUSTER	FCS BRANCH CHIEF	HQS FCS QUALITY CONTROLLER	FCS QUALITY CONTROL INSPECTORS	FCS TECHNICAL SCHOOL INSTRUCTORS
NUMBER IN GROUP	81	30	8	6	10
PERCENT OF SAMPLE	24%	%6	2%	3%	3%
DAFSC DISTRIBUTION:					
OTHER	2%	7,47	ı	11%	•
32151	14%			11%	208
32171	37%	13%	100%	78%	20%
32192	41%	83%	•		
AVERAGE GRADE	6.7	6.2	6.2	5.7	4.8
AVERAGE TIME IN CAREER FIELD	184 MONTHS	227 MONTHS	148 MONTHS	137 MONTHS	85 MONTHS
AVERAGE TIME IN SERVICE	208 MONTHS	260 MONTHS	183 MONTHS	156 MONTHS	96 MONTHS
PERCENT IN FIRST ENLISTMENT	1%	NONE	NONE	NONE	NONE
PERCENT SUPERVISING	279	100%	38%	NONE	10%
AVERAGE NUMBER OF TASKS	67	62	37	19	28

TABLE 8

S BY CAREER LADDER FUNCTIONAL GROUPS S RESPONDING)	B-52D/G B-52H SUPERVISORY FCS FCS AND CLUSTER CLUSTER MANAGERIAL (N=178) (N=60) (N=81)	1 2 3 13 33 10 21 30 7 65 35 80		1 - 2 20 62 15 71 33 67 8 5 16		1 1 2 16 35 15 75 54 66 8 10 17		1 3 3 17 48 21 23 13 14 26 13 21 31 23 41
COMPARISON OF JOB SATISFACTION INDICES (PERCENT MEMBERS	EXPRESSED JOB INTEREST:	NOT REPORTED DULL SO-SO INTERESTING	EXPRESSED UTILIZATION OF TALENTS:	NOT REPORTED LITTLE OR NOT AT ALL FAIRLY WELL TO VERY WELL EXCELLENTLY OR PERFECTLY	EXPRESSED UTILIZATION OF TRAINING:	NOT REPORTED LITTLE OR NOT AT ALL FAIRLY WELL TO VERY WELL EXCELLENTLY TO PERFECTLY	REENLISTMENT INTENT:	NOT REPORTED NO UNCERTAIN, PROBABLY NO UNCERTAIN, PROBABLY YES YES

ANALYSIS OF DAFSC GROUPS

Task and background data of DAFSC groups are also examined as part of each occupational analysis. This analysis allows for the identification of skill level differences and similarities. Furthermore, this data by DAFSC groups aid in the analysis of career ladder documents such as AFR 39-1 Specialty Descriptions and the Specialty Training Standard (STS). Table 9 reflects the percent time spent on duties across each shredout as a whole. Table 10 shows the relative percent time spent by skill level groups within each shredout on the various duties in the job inventory. As expected, there are clear differences in the relative percent time spent on duties by the 5- and 7-skill level groups within each shredout and between the two shredouts. Five-skill level respondents spend most of their time on technical tasks, while 7-skill level respondents tend to spend more of their time on supervisory and managerial tasks. Administrative tasks also consume larger percentages of time at the 7-skill level. The increase is particularly noticeable in the G shredout.

DAFSC 321X1E

This shredout was moderately homogeneous in terms of jobs performed by career ladder respondents. As discussed in the CAREER LADDER STRUCTURE section, most of these personnel were found in the B-52H cluster.

Each skill level is relatively homogeneous in that many of the tasks (as shown in Appendix B) are performed by large percentages of personnel. In general, these skill level groups were found to perform a moderately large core of common tasks, with the proportion of members performing other tasks falling off slowly. This relative homogeneity within each skill level is further illustrated in that 14 percent of the 331 tasks are performed by more than 50 percent of the 5-skill level group and 26 percent of the 331 tasks were performed by more than 50 percent of the 7-skill level group.

The DAFSC 321X1E members indicated their time was spent primarily on tasks relating to ASG-21 and MD-61 guns on B-52H aircraft. Table 11 reflects tasks which best differentiate between 32151E and 32171E personnel. The 7-skill level differs from the 5-skill level in that larger percentages of the 7-skill level personnel perform supervisory tasks.

Overall, E shredout personnel performed tasks such as: completing forms; isolating malfunctions on ASG-21 DFCS; performing ASG-21 hydraulic servicing; performing fast operational checkouts of ASG-21 DFCS; and removing or replacing controlled line platforms, tracking control assemblies, frequency converter transmitters, frequency selector controls, and ballistic computers on B-52H aircraft.

DAFSC 321X1G

The G shredout was only a little less homogeneous in terms of the jobs performed by career ladder respondents. Twenty-six percent of the 331 tasks were performed by more than 50 percent of the 5-skill level group and 33 percent of the tasks were performed by 50 percent or more of the 7-skill level group. The G shredout skill level groups had a large core of common tasks with the proportions of members performing other tasks dropping slowly. Each of the skill level groups is also relatively homogeneous in that many tasks (as shown in Appendix B) were performed by large percentages of personnel.

The DAFSC 321X1G members indicated their time was spent primarily on tasks relating to ASG-15 and MD-9 DFCS on B-52D/G aircraft on the flightline and in shop. Table 12 reflects those tasks which best distinguish between 32151G and 32171G personnel. As with the E shredout group, larger percentages of 7-skill level members performed supervisory tasks.

Tasks performed by large proportions of the G shredout include: completing forms; removing or replacing electrical connectors, antennas, turret cowling or side arms, target position computers; and performing as Flight Evaluation Operator on B-52D/G aircraft.

DAFSC 32192

Nine-skill level respondents indicated the majority of their time was spent performing managerial, supervisory, administrative, and training tasks. In contrast to the DAFSC 32171E or G shredout personnel who still performed many technical tasks, 9-skill levels performed very few technical tasks. Tables 13 and 14 reflect those tasks which best differentiate between 32171E, 32171G, and 32192 personnel. Tasks performed by large proportions of 9-skill levels include: correlating maintenance requirements with other organizations; drafting correspondence; conducting or participating in staff meetings; briefing personnel; and counseling subordinates.

Only 19 percent of the 331 tasks in the inventory were performed by 50 percent or more of the 9-skill level group, reflecting a moderate amount of heterogeneity within this group.

E and G Shredout Comparison

A comparison was made of the tasks performed by overall E and G shredout groups. Tasks most highly differentiating the two groups are shown in Table 15. Generally the tasks differentiating reflected models of aircraft and types of turrets and equipment.

TABLE 9

RELATIVE PERCENT TIME SPENT ON DUTIES BY SHREDOUT GROUPS

20

TABLE 10

RELATIVE PERCENT TIME SPENT ON DUTIES BY 321X1E AND 321X1G DAFSC GROUPS

DUTY		DAFSC 32151E 33 (N=38) (1	32171E (N=24)	DAFSC 321516 3 (N=93) (32171G (N=88)	DAFSC 32192 (N=43)	
SUPE	SUPERVISORY AND MANAGERIAL						
4 mua	ORGANIZING AND PLANNING DIRECTING AND IMPLEMENTING EVALUATING TRAINING	2224	5 11 11	3525	4 16 12 5	14 33 28 6	
ADMI	ADMINISTRATIVE						
Œ	WORKING WITH FORMS, RECORDS, REPORTS, DIRECTIVES OR TECHNICAL DATA	11	13	S	11	14	
TECH	TECHNICAL						
14	PERFORMING GENERAL FIRE CONTROL SYSTEMS (FCS) FLIGHTLINE FUNCTIONS	15	6	11	∞	m	
•	FERFORMING FLIGHTLINE MAINTENANCE ON ASG-21, DEFENSIVE FIRE CONTROL SYSTEMS (DFCS)	41	18	1	,		
H	PERFORMING SHOP MAINTENANCE ON ASG-21 DEFENSIVE FIRE CONTROL SYSTEMS	91	٥				
н	PERFORMING FLIGHTLINE MAINTENANCE ON ASG-15 OR MD-9 DEFENSIVE FIRE	81	ю г	-1 O	' ;		
2	CONINCL SISIERS (DECS) ON B-32D/G PERFORMING SHOP MAINTENANCE ON ASG-15, MD-9 DEFENSIVE FIRE CONTROL	•	-	80	10	4	
		•	1	10	11		
X	PERFORMING SHOP MAINTENANCE ON M-3 .50 CALIBER MACHINE GUNS AND ASSOCIATED EQUIPMENT			က	2	1	

TABLE 11

TASKS WHICH MOST CLEARLY DISTINGUISH BETWEEN 32151E AND 32171E PERSONNEL

TASK		DAFSC 32151E	DAFSC 32171E	DIFFERENCE
S	EVALUATE COMPLIANCE WITH WORK STANDARDS	10	62	69-
B12	DRAFT CORRESPONDENCE	2	67	-62
70	EVALUATE COMPLETED MAINTENANCE ACTIONS	10	11	-61
C22	WRITE AIRMAN PERFORMANCE REPORTS	13	71	-58
D12	MAINTAIN TRAINING RECORDS	18	75	-57
010	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	16	11	-55
C18	INSPECT FLIGHTLINE OR SHOP FACILITIES	18	11	-53
B4	COUNSEL SUBORDINATES ON PERSONAL OR MILITARY RELATED PROBLEMS	24	75	-51
B32	SUPERVISE DEFENSIVE FIRE CONTROL SYSTEMS SPECIALISTS (AFSC 32150E)	16	19	-51
B1	BRIEF PERSONNEL	32	79	14-
72	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	80	54	94-

TABLE 12

TASKS WHICH MOST CLEARLY DISTINGUISH BETWEEN 32151G AND 32171G PERSONNEL

100			DAFSC	
IASK	3	321516	321716	DIFFERENCE
C22	WRITE AIRMEN PERFORMANCE REPORTS (APR)	20	79	-59
70	EVALUATE COMPLETED MAINTENANCE ACTIONS	12	89	-56
B33	SUPERVISE DEFENSIVE FIRE CONTROL SYSTEMS SPECIALISTS (AFSC 32150G)	21	70	67-
C10	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	10	28	84-
C18	INSPECT FLIGHTLINE OR SHOP FACILITIES	11	58	-47
A10	PLAN OR SCHEDULE WORK ASSIGNMENTS	27	69	-42
B5	DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	20	62	-42
S	EVALUATE COMPLIANCE WITH WORK STANDARDS	17	59	-42
D2	CONDUCT OJT	21	62	-41
B3	CORRELATE MAINTENANCE REQUIREMENTS WITH OTHER MAINTENANCE ORGANIZATIONS	26	79	-38
B4	COUNSEL SUBORDINATES ON PERSONAL OR MILITARY RELATED PROBLEMS	35	72	-37
B17	IMPLEMENT ON-THE-JOB TRAINING (OJT) PROGRAMS	10	45	-35
B10	DIRECT MAINTENANCE OR UTILIZATION OF EQUIPMENT OR SUPPLIES	12	147	-35

TABLE 13

TASKS WHICH MOST CLEARLY DIFFERENTIATE BETWEEN 32171E AND 32192 PERSONNEL

TASK		DAFSC 32171E	DAFSC 32192	DIFFERENCE
B2	CONDUCT OR PARTICIPATE IN STAFF MEETINGS	25	91	99-
A15	SCHEDULE LEAVES OR PASSES	21	84	-63
93	EVALUATE INDIVIDUALS FOR DEMOTICN, PROMOTION, OR RECLASSIFICATION	17	62	-62
62	ISOLATE MALEUNCTIONS ON ASG-21 FCS TO LRUS	62	2	09+
65	PERFORM ASG-21 PHASE INSPECTIONS	58		+58
61	ARM OR DISARM M-61 GUNS ON B-52H	62	2	+58
B29	SUPERVISE APPRENTICE DEFENSIVE FIRE CONTROL SYSTEMS MECHANICS			
	(AFSC 32130E)	7.1	14	+57
75	PERFORM ASG-21 HYDRAULIC SERVICING	58	2	+56
95	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	58	2	+56
69	PERFORM PNEUMATIC SYSTEM LEAK CHECKS ON B-52H	58	2	+26
610	PREPARE FOR INFLIGHT FIRING ON B-52H	58	2	+26
615	REMOVE OR REPLACE ANTENNAS ON B-52H	58	2	+56
919	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	58	2	+56
618	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	58	2	+56
619	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	58	2	+56
620	REMOVE OR REPLACE ELECTRONIC POWER SUPPLIES ON B-52H	58	2	+56
623	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	58	2	+56
624	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FSC) ON B-52H	58	2	+56
628	REMOVE OR REPLACE GUN DRIVE MOTORS ON B-52H	58	2	+26
636	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	58	7	+56
949	REMOVE OR REPLACE WAVE GUIDE ASSEMBLIES ON B-52H	28	7	+56

TABLE 14

TASKS WHICH MOST CLEARLY DIFFERENTIATE BETWEEN 32171G AND 32192 PERSONNEL

TASK		DAFSC 32171G	DAFSC 32192	DIFFERENCE
A15	SCHEDULE LEAVES OR PASSES	17	84	-87
B2	CONDUCT OR PARTICIPATE IN STAFF METINGS	31	91	09-
A1	ASSIGN PERSONNEL TO DUTY POSITIONS	27	98	-59
020	RECOMMEND PERSONNEL FOR AWARDS	27	98	-59
177	DEMOVE OF DEDIACE THERE AND THE OF STRE ADMS ON DESTRICT	37	u	031
	MATTER ON NET PACE TOWNER CONTING ON SIDE AND ON B-32D/G	60	0	100
11	ISOLATE MALFUNCTIONS IN ACQUISITION MODE ON B-52D/G	65	7	+58
71	ISOLATE MALFUNCTIONS IN HYDRAULIC DRIVE SYSTEM ON B-52D/G	65	7	+58
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	65	7	+58
112	ISOLATE MALFUNCTIONS IN SEARCH MODE ON B-52D/G	65	7	+58
115	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	65	7	+58
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	52	2	+57
12	ISOLATE MALFUNCTIONS IN EMERGENCY MODE ON B-52D/G	79	7	+57
13	ISOLATE MALFUNCTIONS IN EMERGENCY SEARCH MODE ON B-52D/G	49	7	+57
15	ISOLATE MALFUNCTIONS IN INDICATING LOOPS ON B-52D/G	79	7	+57
91	ISOLATE MALFUNCTIONS IN IN-LIMITS MODE ON B-52D/G	79	7	+57
17	ISOLATE MALFUNCTIONS IN ON MODE ON B-52D/G	99	7	+57

TABLE 15

TASKS SHOWING GREATEST DIFFERENCES BETWEEN SHREDOUT E AND G (PERCENT MEMBERS PERFORMING)

TASK		321X1E	321X1G	DIFFERENCE
616	OR REPLACE	74	1	+73
618	OR REPLACE	74	1	+73
619	OR REPLACE	73	ı	+73
G24	OR	73	ι	+73
615	REMOVE OR REPLACE ANTENNAS ON B-52H	73	1	+72
623	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	73	1	+72
641	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	73	1	+72
639	REMOVE OR REPLACE SYSTEM CONTROL ASSEMBLIES (SCA) ON B-52H	71		+71
75	PERFORM ASG-21 HYDRAULIC SERVICING	73	2	+71
95	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	73	2	+71
17	ISOLATE MALFUNCTIONS IN ON MODE ON B-52D/G	1	74	-73
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	1	74	-73
113	ISOLATE MALFUNCTIONS IN SEARCH RADAR TRANSMITTING AND RECEIVER LOOPS			
	ON B-52D/G	,—4	74	-73
119	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	1	74	-73
115	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	1	74	-73
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	1	74	-73
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	3	91	-73
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	1	75	-74
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	3	77	-74
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	1	77	92-

ANALYSIS OF AFMS GROUPS

Comparisons were also made between groups of personnel on the basis of years of total active federal military service (TAFMS). TAFMS groups are used to highlight tasks and jobs performed as a function of different levels of experience in the career field. In addition, the 1-48 months TAFMS group is used to identify those tasks which should be considered for coverage in initial training courses.

Tables 16 and 17 reflect the relative percent time spent on the 11 duty categories by personnel within each AFMS group for each of the shredouts surveyed. In general, the job differences between AFMS groups within each shredout are similar to those noted for DAFSC groups. However, the job differences between enlistment groups are more moderate than between DAFSC groups.

Job time spent performing managerial, supervisory, or administrative duties increases progressively in advanced enlistment groups in both shredouts. Conversely, time spent in technical tasks decreases progressively across AFMS groups.

First Enlistment Incumbents

Of particular interest is the 1-48 months AFMS group. The jobs performed by first enlistment incumbents form the basis for initial training.

Generally, first-enlistment personnel in shredout E spend the bulk of their time (81 percent) in Duty G, Performing Flightline Maintenance on ASG-21 DFCS; in Duty H, Performing Shop Maintenance on ASG-21 DFCS and Associated Equipment; and in Duty F, Performing General Fire Control Systems Flightline functions (See Table 16). Additionally, 11 percent of their time is spent in Duty E, Working with Forms, Records, Reports, or Technical Data. The specific tasks performed in Duty E are comprised primarily of maintenance management tasks such as: filling out work orders and posting entries on maintenance data collection forms.

This group had a fairly broad job as 44 tasks were performed by 50 percent or more incumbents. Table 18 presents representative tasks performed by this group. All personnel worked on B-52H aircraft.

Shredout G first enlistment incumbents spend the majority of their technical time (86 percent) in Duty I, Performing Flightline Maintenance on the ASG-15 or MD-9 DFCS; in Duty F, Performing General FCS Flightline Functions; and in Duty J, Performing Shop Maintenance on ASG-15, MD-9 DFCS (See Table 17). Other typical tasks performed are listed in Table 19. These tasks are performed on B-52D and G models and many tasks were related to radar and associated equipment.

TABLE 16
RELATIVE PERCENT TIME SPENT ON DUTIES BY 321X1E TAPMS GROUPS

	MONTHS	ACTIVE	FEDERAL	MONTHS ACTIVE FEDERAL MILITARY SERVICE	SERVICE
1	1-48	96-67	97-144	145-192	193-240
	(N=36)	(N=14)	(N=8)	(N=5)	(N=6)
SUFERVISORY OR MANAGERIAL					
A ORGANIZING AND DIAMNING		,			
ONCENTRAL AND TANDERSON	-	0	4	7	7
D DIRECTION AND INTELLEMENT ING	3	16	16	16	22
CEVALUATING	-	9	13	26	16
D TRAING	2	14	6	15	9
ADMINISTRATIVE					
E WORKING WITH FORMS, RECORDS, REPORTS, DIRECTIVES, OR TECHNICAL DATA	111	6	13	13	21
TECHNICAL					
F PERFORMING GENERAL FIRE CONTROL CVCTEMC (FCC) DEFOUNTERED CITACONS	L		•		
	9	13	21	10	t
H PERFORMED SHIP MAINTENANCE ON ASC-21, DEFENSIVE FIRE CONTROL SPIEMS (PF.CS) H PERFORMED SHIP MAINTENANCE ON ASC-21, DEFENSIVE FIRE CONTROL SPIEMS (PF.CS)	45	24	25	15	11
EQUIPMENT	2.0	1.3	0		0.
I PERFORMING FLIGHTLINE MAINTENANCE ON ASG-15 OR MD-9 DEPENSIVE FIRE CONTROL SYSTEMS (DECS) ON		61	0		01
B-52D/G		,	,		,
J PERFORMING SHOP MAINTENANCE ON ACC. 15 MD.O DEEDWOTTE PIECE COMPACT OFFICE AND ACC.			4 .		
White the state of	,	,	-		
A PERFORMING SHOP MAINTENANCE ON M-3 50 CALTRER MACHINE GINS AND ASSOCIATED FOLLIDMENT	1	•	,	,	

TABLE 17

RELATIVE PERCENT TIME SPENT ON DUTIES BY 321X1G TAFMS GROUPS

		HONTH	S ACTIVE	FEDERAL	MONTHS ACTIVE FEDERAL MILITARY SERVICE	SERVICE
		1-48 (N=82)	49-96 (N=54)	97-144 (N=24)	145-192 (N=23)	193-240 (N=21)
SUPE	SUPERVISORY OR MANAGERIAL					
A	ORGANIZING AND PLANNING	1	3	8	4	5
m	DIRECTING AND IMPLEMENTING	3	6	14	14	21
S	EVALUATING	-	4	10	15	19
Q	TRAINING	•	2	2	2	7
ADMI	ADMINISTRATIVE					
ш	E WORKING WITH FORMS, RECORDS, REPORTS, DIRECTIVES OR TECHNICAL DATA	10	10	00	80	7
TECH	TECHNICAL					
(a)	PERFORMING GENERAL FIRE CONTROL SYSTEMS (FCS) FLIGHTLINE FUNCTIONS	10	10	8	00	7
9	PERFORMING FLIGHTEINE MAINTENANCE ON ASG-21, DEFENSIVE FIRE CONTROL SYSTEMS (DFCS)	7		•		
H	PERFORMING SHOP MAINTENANCE ON ASG-21 DEFENSIVE FIRE CONTROL SYSTEMS (DFCS) AND ASSOCIATED					
	EQUIPMENT			•	1	
1	PERFORMING FLIGHTLINE MAINTENANCE ON ASG-15 OR MD-9 DEFENSIVE FIRE CONTROL SYSTEMS (DFCS) ON					
	B-52D/G	19	. 14	35	28	19
7	PERFORMING SHOP MAINTENANCE ON ASG-15, MD-9 DEFENSIVE FIRE CONTROL SYSTEM (DFCS)	6	111	12	11	7
×	PERFORMING SHOP MAINTENANCE ON M-3 .50 CALIBER MACHINE GINS AND ASSOCIATED FOULPMENT	3		2	15	,

The state of the s

TABLE 18

TASKS MOST FREQUENTLY PERFORMED BY LARGE PERCENTAGES OF 1-48 MONTHS AFMS GROUP (AFSC 321X1E) (N=36)

TASKS		PERCENT MEMBERS PERFORMING
45	PERFORM ASG-21 HYDRAULIC SERVICING	98
619	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	98
641	OR REPLACE	86
623	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	98
624	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FSC) ON B-52H	86
919	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	98
639	REMOVE OR REPLACE SYSTEM CONTROL ASSEMBLIES (SCA) ON B-52H	86
615	REMOVE OR REPLACE ANTENNAS ON B-52H	86
F13	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	98
618	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	98
62	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUS	83
95	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	83
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	83
65	Ы	81
627	REMOVE OR REPLACE GUN COVER BOOTS ON B-52H	78
61	ARM OR DISARM M-61 GUNS ON B-52H	78
F1	ARM OR DISARM DFCS WEAPONS	78
F2	BRIEF OR DEBRIEF CREWS	78
636	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	75
F3	CONDUCT DFCS CHECKOUTS FOR AIRCRAFT READINESS IN ACCORDANCE WITH AIRCRAFT	
	FORMS	75
621	REMOVE OR REPLACE FCS CONTROLS ON B-52H	75
F10	LACE ELECTRICAL WIRING ASSEMBLIES	75

TABLE 19

TASKS MOST FREQUENTLY PERFORMED BY LARGE PERCENTAGES OF 1-48 MONTHS AFMS GROUP (AFSC 321X1G) (N=82)

TASKS		PERCENT MEMBERS PERFORMING
177	REMOVE OR REPLACE TURRET COULING OR SIDE ARMS ON B-52D/G	91
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	91
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	91
168	REMOVE OR REPLACE SEARCH PULSE SWEEP GENERATORS (PSG) ON B-52D/G	06
159	REMOVE OR REPLACE MODULATORS ON B-52D/G	06
127	PERFORM PRE-FLIGHT OR POST-FLIGHT INSPECTIONS ON B-52D/G	06
167	REMOVE OR REPLACE SEARCH FREQUENCY CONVERTER TRANSMITTERS ON B-52D/G	06
138	REMOVE OR REPLACE AUXILIARY POWER SUPPLIES ON B-52D/G	89
691	REMOVE OR REPLACE SERVO CENTRALS ON B-52D/G	68
178	REMOVE OR REPLACE .50 CALIBER M-3 GUNS ON B-52D/G	86
118	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	68
144	REMOVE OR REPLACE CONTROL HANDLES ON B-52D/G	89
126	PERFORM PHASE INSPECTIONS ON B-52D/G	89
991	REMOVE OR REPLACE RADAR WAVE GUIDES ON B-52D/G	68
131	REMOVE OR REPLACE AMMUNITION BOOSTERS ON B-52D/G	88
134	REMOVE OR REPLACE AUXILIARY CENTRALS ON B-52D/G	88
148	REMOVE OR REPLACE FEO ON B-52D/G	88
174	REMOVE OR REPLACE TRACK FCTs ON B-52D/G	88
119	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	88
F1	ARM OR DISARM DFCS WEAPONS	88
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	88
137	REMOVE OR REPLACE COMPRESSORS ON B-52D/G	88
132	REMOVE OR REPLACE AMMUNITION CHUTES ON B-52D/G	88
112	ISOLATE MALFUNCTIONS IN SEARCH MODE ON B-52D/G	88
134	REMOVE OR REPLACE AUXILIARY CENTRALS ON B-52D/G	88

ANALYSIS OF AFR 39-1 SPECIALTY DESCRIPTIONS

In conjunction with the analysis of DAFSC groups, a comparison was made between the DAFSC group job descriptions compiled from survey data and the specialty descriptions from AFR 39-1 for all 321X1 DAFSC's, including both shredouts. Overall, the AFR 39-1 specialty descriptions appear to provide good coverage of the tasks performed by personnel in both shredouts. However, the comparison indicated that certain tasks not included in the 39-1 descriptions were performed by large numbers of personnel in each shredout at the 5- and 7-skill level. These tasks are listed in Table 20. It may be noted that these tasks pertain to ammunition loading and unloading, hydraulic mechanisms, and pneumatic mechanisms. These tasks should be considered for possible inclusion in the 5- and 7-skill level descriptions when they are next revised.

TARLE 20

TASKS NOT LISTED IN AFR 39-1 SPECIALTY DESCRIPTION

TASK		32151E	32151E 32151G	32171E	321716
624	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FSC) ON B-52H	84	3	28	
69	PERFORM PNEUMATIC SYSTEM LEAK CHECKS ON B-52H	55	7	28	0
630	REMOVE OR REPLACE HYDRAULIC SERVO VALVES ON B-52H	89	2	54	0
635	REMOVE OR REPLACE MAIN HYDRAULIC SHUTOFF VALVES ON B-52H	45	2	33	0
642	REMOVE OR REPLACE TURRET HYDRAULIC DRIVE MOTORS ON B-52H	45	2	21	0
14	ISOLATE MALFUNCTIONS IN HYDRAULIC DRIVE SYSTEM ON B-52D/G	3	82	4	65
19	ISOLATE MALFUNCTIONS IN PNEUMATIC SYSTEMS ON B-52D/G	0	81	80	49
118	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	0	83	∞	61
119	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	0	82	4	99
151	REMOVE OR REPLACE HYDRAULIC BYPASS VALVES ON B-52D/G	0	82	7	29
152	REMOVE OR REPLACE HYDRAULIC PUMPS ON B-52D/G	0	78	4	59
161	REMOVE OR REPLACE PNEUMATIC COMPONENTS (EXCLUDING COMPRESSORS) ON				
	B-52D/G	0	78	80	57

COMPARISON OF OCCUPATIONAL SURVEY DATA WITH SPECIALTY TRAINING STANDARD (STS)

Reviews of the 321X1E and 321X1G STS's were made by comparing STS items to survey data. The purpose of this comparison is to determine how closely each STS reflects tasks performed in the field as expressed by responses the the job inventory. Subject matter specialists at the Lowry Technical Training Center, Lowry AFB CO, matched the inventory tasks to the STS paragraphs.

In general the two STSs appear to provide good coverage of the tasks performed by personnel in the two shredouts. Many tasks overlap between shredouts "E" and "G", particularly in the Electronic Principles, Maintenance Management, and Inspection Systems areas.

ANALYSIS OF TASK DIFFICULTY

From a listing of the airmen identified for the 321X1E/G job survey, experienced personnel primarily at the 7-skill level were selected to rate task difficulty. Tasks were rated on a nine-point scale ranging from very-much-below average (1) to very-much-above average difficulty (9). Difficulty was defined as the length of time it takes an incumbent to learn to do the task. Interrater agreement among the raters was .93 (assessed through components of variance of standardized group means). Ratings were adjusted so that tasks of average difficulty have a rating of 5.00.

Table 21 reflects a sample of the most difficult tasks performed, with the percent members performing these tasks. Generally, tasks relating to isolating malfunctions and checkouts on any of the DFCS, removing or replacing turrets, shop maintenance of any DFCS, and isolating malfunctions on radar and electronic equipment, were rated most difficult. Very few supervisory or managerial tasks were rated much above average in difficulty.

Tasks of about average difficulty are presented in Table 22. Generally, tasks of average difficulty were related to shop maintenance on certain assemblies such as the MD-9 control columns, track control assemblies, and MD-9 gun charges. Other tasks of average difficulty were fast operational checkouts of DFCSs, and boresighting. Some supervisory, managerial or administrative tasks were also in the mid-range of difficulty: counselling subordinates, improving work methods, developing technical course materials, establishing personnel requirements and conducting OJT.

Table 23 reflects the ten least difficult tasks in the inventory. Generally, less difficult tasks related to maintenance management, removing or replacing certain electrical components and performing phase inspections. Many technical training tasks were also rated as below average in difficulty.

In all, 163 were rated above average in difficulty and 164 were rated average or below average in difficulty.

TABLE 21

TASKS RATED MOST DIFFICULT

TASK		DIFFICULTY	PERCENT MEMBERS PERFORMING
132	PERFORM IN-SHOP MAINTENANCE ON FEOS ON ASG-15, MD-9	8.1	20
67	PERFORM MODE-CONTROL UNIT OR PERFORMANCE-SET CHECKOUTS OF THE ASG-21 DFCS	7.9	4
176	REMOVE OR REPLACE TURRETS ON B-52D/G	7.8	14
H16	ISOLATE MALFUNCTIONS ON MODE CONTROL TEST SETS TO REPLACEABLE SUBASSEMBLIES	7.6	3
H40	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TEST SET SUBASSEMBLIES	7.5	9
H39	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TEST SETS	7.5	9
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	7.5	67
63	PERFORM ASG-21 HARMONIZATION ON B-52H	7.4	7
316	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SERVO CENTRALS	7.2	24
111	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	7.1	67

TABLE 22

TASKS RATED ABOUT AVERAGE IN DIFFICULTY

TASK		DIFFICULTY INDEX	PERCENT MEMBERS PERFORMING
C15	EVALUATE SUGGESTIONS	5.0	21
112	ISOLATE MALFUNCTIONS IN SEARCH MODE ON B-52D/G	5.0	67
D3	CONDUCT RESIDENT TECHNICAL TRAINING COURSES	5.0	2
151	REMOVE OR REPLACE HYDRAULIC BYPASS VALVES ON B-52D/G	5.0	87
320	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TRACK ANTENNAS	5.0	24
E13		5.0	18
B27	REVIEW OR IMPLEMENT PROCEDURES FOR DISASTER CONTROL EXERCISES	0.4	12
B31		5.0	4
H18	PERFORM IN-SHOP MAINTENANCE ON ASG-21 AMMUNITION BOOSTER DRIVE ASSEMBLIES	5.0	9
C21		5.0	13

TABLE 23

TASKS RATED LEAST DIFFICULT

TASK					DIFFICULTY	PERCENT MEMBERS PEKFORMING
157	REMOVE	OR	REMOVE OR REPLACE	LOS POINTERS ON B-52D	3.3	17
156	REMOVE	OR	_	LINE OF SIGHT (LOS) INDICATORS ON B-52G	3.3	35
627	REMOVE	OR	REPLACE	GUN COVER BOOTS ON B-52H	3.2	17
131	REMOVE	OR	REPLACE	AMMUNITION BOOSTERS ON B-52D/G	3.1	84
F14	REMOVE	OR	REPLACE	CHEMICAL DRYER CARTRIDGES	3.1	47
622	REMOVE	OR		FCS RADAR CONTROL PANELS ON B-52H	3.1	6
130	REMOVE		-	ALTERNATING CURRENT (AC) VOLTAGE REGULATORS ON B-52D/G	3.0	77
179	REMOVE		_	.50 CALIBER M-3 GUN HEATERS ON B-52D/G	2.9	47
132	REMOVE	OR		AMMUNITION CHUTES ON B-52D/G	2.6	84
149	REMOVE	OR I	REPLACE	FEO SELECTOR UNITS ON B-52D/G	2.5	84

COMPARISON OF CURRENT SURVEY TO PREVIOUS SURVEY

The results of this survey were compared to those of Occupational Survey Report dated August 1973. At that time, the AFSC was 323X0E/G. In general, there are no major differences in the results of the two studies. Some differences were noted in the major cluster titles between the previous study and the present study; the clusters of the present study also tend to be broader and encompass a greater proportion of personnel. In addition, one small cluster in the 1973 study (Test Set Maintenance Specialists - 2%) performed tasks which were absorbed in the two present duties related to the B-52H and to B-52D/G aircraft.

The following points in the previous study are still considered to be valid:

- The shredout E and shredout G members appeared clearly separate.
- 2. Analysis of background information indicates low potential reenlistment rates for shredout E incumbents. Additionally, shredout E incumbents indicated significantly lower job satisfaction than did shredout G incumbents.
- 3. Comparison of survey results with AFR 39-1 specialty summary indicated a need for a revision to more accurately reflect the tasks by incumbents in some mechanical and technical functions.
- 4. Analysis of tasks performed by skill level indicated that "E" shredout personnel are completely involved in all aspects of defensive fire control system maintenance. Analysis of "G" shredout personnel performance by skill level indicates a more phased entry into the overall maintenance picture.

Overall, most of the results and recommendations of the previous study appear to have been substantiated by the present report. These results have some implications for the personnel management system.

IMPLICATIONS

This project was developed to update previous occupational survey data for the 321X1 career ladder including both shredouts E and G. Specifically, the survey data is required to update training programs and to look at the differences in jobs between shredouts and skill levels.

Task data analysis indicates that the incumbents in each shredout grouped into two separate job clusters, one for each shredout. The job of each cluster centered around the type of DFCS and the B-52 model maintained by that shredout.

Analysis of a third cluster comprising supervisor, managerial, and quality controllers indicated a structure reasonably similar to Air Force Directives such as AFM 66-1.

From the results of the analyses, it appears that separate training schools and training materials (STS, CDC, and POIs) are clearly necessary particularly at the entry level. A more detailed discussion of training will be covered in a supplement to this report.

An analysis of the classification structure indicated that only minor changes are needed for the AFR 39-1 specialty description.

Job satisfaction or morale continues to be a problem among B-52H personnel.

APPENDIX A

TASKS COMMONLY PERFORMED BY CLUSTERS AND JOB TYPE GROUPS

B-52D/G FCS CLUSTER (GRP008) N=178

TASK		PERCENT MEMBERS PERFORMING
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	93
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	92
I1	ISOLATE MALFUNCTIONS IN ACQUISITION MODE ON B-52D/G	92
I11	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	91
I10	ISOLATE MALFUNCTIONS IN RADAR RANGING ON B-52D/G	91
I15	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	90
I16	ISOLATE MALFUNCTIONS IN TRACK RADAR TRANSMITTING OR RECEIVER LOOPS	
	ON B-52D/G	90
169	REMOVE OR REPLACE SERVO CENTRALS ON B-52D/G	90
168	REMOVE OR REPLACE SEARCH PULSE SWEEP GENERATORS (PSG) ON B-52D/G	90
159	REMOVE OR REPLACE MODULATORS ON B-52D/G	90
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	90
I13	ISOLATE MALFUNCTIONS IN SEARCH RADAR TRANSMITTING AND RECEIVER LOOPS	
	ON B-52D/G	90
17	ISOLATE MALFUNCTIONS IN WARMUP MODE ON B-52D/G	90
12	ISOLATE MALFUNCTIONS IN EMERGENCY MODE ON B-52D/G	90
13	ISOLATE MALFUNCTIONS IN EMERGENCY SEARCH MODE ON B-52D/G	90
166	REMOVE OR REPLACE RADAR WAVE GUIDES ON B-52D/G	90
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	90
148	REMOVE OR REPLACE FEO ON B-52D/G	90
174	REMOVE OR REPLACE TRACK FCTs ON B-52D/G	90
149	REMOVE OR REPLACE FEO SELECTOR UNITS ON B-52D/G	90
I18	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	90
I19	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	90
F1	ARM OR DISARM DFCS WEAPONS	90
14	ISOLATE MALFUNCTIONS IN HYDRAULIC DRIVE SYSTEM ON B-52D/G	90
19	ISOLATE MALFUNCTIONS IN PNEUMATIC SYSTEMS ON B-52D/G	90

B-52D/G FCS SHOP TECHNICIANS (GRP041) N=10

TASK		PERCENT MEMBERS PERFORMING
J19	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TARGET POSITION	
	COMPUTERS (TPC)	100
J14	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SEARCH ANTENNAS	100
J16	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SERVO CENTRALS	100
J8	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 MODULATORS	100
J21	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TRACKING CHANNELS	
	(LOCK-ON) CHECKS AND ADJUSTMENTS	100
J11	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 PSGs	100
J29	PERFORM IN-SHOP MAINTENANCE ON COMPUTER CENTRALS ON ASG-15, MD-9	100
J17	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SERVO SYSTEM CENTRAL	
	SUBASSEMBLIES (EXCLUDING POWER, CONTROL OR COLUMN)	100
J15		100
J7	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 CONTROL HANDLES	100
J6	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 COMPUTER CENTRAL	
	SUBASSEMBLIES	100
J20	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TRACK ANTENNAS	100
J9	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 POWER CENTRALS	100
J23	PERFORM IN-SHOP MAINTENANCE ON AUXILIARY CENTRALS ON ASG-15, MD-9	100
J33	PERFORM IN-SHOP MAINTENANCE ON FEO DEVELOPERS	100
J32	PERFORM IN-SHOP MAINTENANCE ON FEOs ON ASG-15, MD-9	90
J31	PERFORM IN-SHOP MAINTENANCE ON DATA TAKEOFF UNITS ON ASG-15, MD-9	90
J22	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TRACK SUBASSEMBLIES	90
J3	PERFORM IN-SHOP MAINTENANCE ON AC VOLTAGE REGULATORS ON ASG-15, MD-9	90
J24	PERFORM IN-SHOP MAINTENANCE ON AUXILIARY CENTRAL SUBASSEMBLIES	
	ON ASG-15, MD-9	90
J30	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TURRETS	80
J34	PERFORM IN-SHOP MAINTENANCE ON FEO SELECTOR UNITS ON B-52D/G	80 -

B-52D/G ENTRY FLIGHTLINE MECHANICS (GRP067) N=6

TASK		PERCENT MEMBERS PERFORMING
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	100
148	REMOVE OR REPLACE FEO ON B-52D/G	100
149	REMOVE OR REPLACE FEO SELECTOR UNITS ON B-52D/G	100
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	100
127	PERFORM PRE-FLIGHT OR POST-FLIGHT INSPECTIONS ON B-52D/G	100
159	REMOVE OR REPLACE MODULATORS ON B-52D/G	100
I19	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	100
168	REMOVE OR REPLACE SEARCH PULSE SWEEP GENERATORS (PSG) ON B-52D/G	100
118	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	100
144	REMOVE OR REPLACE CONTROL HANDLES ON B-52D/G	100
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	100
166	REMOVE OR REPLACE RADAR WAVE GUIDES ON B-52D/G	100
138	REMOVE OR REPLACE COMPUTER CENTRALS ON B-52D/G	83
132	REMOVE OR REPLACE AMMUNITION CHUTES ON B-52D/G	83
169	REMOVE OR REPLACE SERVO CENTRALS ON B-52D/G	83
137	REMOVE OR REPLACE COMPRESSORS ON B-52D/G	83
F1	ARM OR DISARM DFCS WEAPONS	83
17	ISOLATE MALFUNCTIONS IN ON MODE ON B-52D/G	83
178	REMOVE OR REPLACE .50 CALIBER M-3 GUNS ON B-52D/G	83
134	REMOVE OR REPLACE AUXILIARY CENTRALS ON B-52D/G	83
167	REMOVE OR REPLACE SEARCH FREQUENCY CONVERTER TRANSMITTERS ON B-52D/G	83
131	REMOVE OR REPLACE AMMUNITION BOOSTERS ON B-52D/G	67
I11	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	67
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	67

B-52D/G FCS LINE-SHOP CHIEFS (GRP038) N=8

PERCENT MEMBERS PERFORMING
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100

B-52D/G FCS SHOP LEAD TECHNICIANS (GRP056) N=6

TASK		PERCENT MEMBERS PERFORMING
J21	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TRACKING CHANNELS	
	(LOCK-ON) CHECKS AND ADJUSTMENTS	100
J43	PERFORM IN-SHOP MAINTENANCE ON TRACK FCT ON ASG-15, MD-9	100
J19	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 TARGET POSITION	
	COMPUTERS (TPC)	100
J11	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 PSGs	100
J14	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SEARCH ANTENNAS	100
J15	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SEARCH FTCs	100
I11	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	100
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	100
I15	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	100
J41	PERFORM IN-SHOP MAINTENANCE ON RADAR INDICATORS ON ASG-15, MD-9	100
I10	ISOLATE MALFUNCTIONS IN RADAR RANGING ON B-52D/G	100
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	100
J17	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 SERVO SYSTEM CENTRAL	
	SUBASSEMBLIES (EXCLUDING POWER, CONTROL OR COLUMN)	100
15	ISOLATE MALFUNCTIONS IN INDICATING LOOPS ON B-52D/G	100
I16	ISOLATE MALFUNCTIONS IN TRACK RADAR TRANSMITTING OR RECEIVER LOOPS	
	ON B-52D/G	100
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	100
I13	ISOLATE MALFUNCTIONS IN SEARCH RADAR TRANSMITTING AND RECEIVER LOOPS	
	ON B-52D/G	100
J13	PERFORM IN-SHOP MAINTENANCE ON ASG-15, MD-9 RADAR POWER SUPPLIES	100
17	ISOLATE MALFUNCTIONS IN ON MODE ON B-52D/G	100
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	100
11	ISOLATE MALFUNCTIONS IN ACQUISITION MODE ON B-52D/G	100
12	ISOLATE MALFUNCTIONS IN EMERGENCY MODE ON B-52D/G	100
F12	PERFORM IN-SHOP MAINTENANCE ON TEST PLUGS OR CABLES	100

B-52D/G FCS LEAD MECHANICS (GRP102) N=63

TASK		PERCENT MEMBERS PERFORMING
THOR		
111	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	100
115	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	100
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	100
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	100
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	100
I16	ISOLATE MALFUNCTIONS IN TRACK RADAR TRANSMITTING OR RECEIVER LOOPS	
	ON B-52D/G	100
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	100
174	REMOVE OR REPLACE TRACK FCTs ON B-52D/G	100
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	100
169	REMOVE OR REPLACE SERVO CENTRALS ON B-52D/G	100
168	REMOVE OR REPLACE SEARCH PULSE SWEEP GENERATORS (PSG) ON B-52D/G	100
170	REMOVE OR REPLACE SERVO CENTRAL SUBASSEMBLIES ON B-52D/G	100
159	REMOVE OR REPLACE MODULATORS ON B-52D/G	100
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	100
I10	ISOLATE MALFUNCTIONS IN RADAR RANGING ON B-52D/G	100
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	100
138	REMOVE OR REPLACE COMPUTER CENTRALS ON B-52D/G	100
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	100
I13	ISOLATE MALFUNCTIONS IN SEARCH RADAR TRANSMITTING AND RECEIVER LOOPS	
	ON B-52D/G	100
15	ISOLATE MALFUNCTIONS IN INDICATING LOOPS ON B-52D/G	100
13	ISOLATE MALFUNCTIONS IN EMERGENCY SEARCH MODE ON B-52D/G	100
I12	ISOLATE MALFUNCTIONS IN SEARCH MODE ON B-52D/G	100
I1	ISOLATE MALFUNCTIONS IN ACQUISITION MODE ON B-52D/G	100
17	ISOLATE MALFUNCTIONS IN ON MODE ON B-52D/G	100
14	ISOLATE MALFUNCTIONS IN HYDRAULIC DRIVE SYSTEM ON B-52D/G	100

B-52D/G FCS FLIGHTLINE MECHANICS (GRP095) N=79

TASK		PERCENT MEMBERS PERFORMIN
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	100
I11	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	100
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	100
169	REMOVE OR REPLACE SERVO CENTRALS ON B-52D/G	100
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	99
148	REMOVE OR REPLACE FEO ON B-52D/G	99
I15 I16	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G ISOLATE MALFUNCTIONS IN TRACK RADAR TRANSMITTING OR RECEIVER LOOPS	99
	ON B-52D/G	99
174	REMOVE OR REPLACE TRACK FCTs ON B-52D/G	99
168	REMOVE OR REPLACE SEARCH PULSE SWEEP GENERATORS (PSG) ON B-52D/G	99
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	99
159	REMOVE OR REPLACE MODULATORS ON B-52D/G	99
I18	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	99
176	REMOVE OR REPLACE TURRETS ON B-52D/G	99
153	REMOVE OR REPLACE INTEGRATING GYROS ON B-52D/G	99
155	REMOVE OR REPLACE LIMITING ASSEMBLIES ON B-52D/G	99
152	REMOVE OR REPLACE HYDRAULIC PUMPS ON B-52D/G	99
132	REMOVE OR REPLACE AMMUNITION CHUTES ON B-52D/G	99
I17	ISOLATE MALFUNCTIONS IN WARMUP MODE ON B-52D/G	99
F1	ARM OR DISARM DFCS WEAPONS	97
I19	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	97
137	REMOVE OR REPLACE COMPRESSORS ON B-52D/G	97
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	97
15	ISOLATE MALFUNCTIONS IN INDICATING LOOPS ON B-52D/G	97
144	REMOVE OR REPLACE CONTROL HANDLES ON B-52D/G	97

B-52H FCS CLUSTER (GRP014) N=60

TASK		PERCENT MEMBERS PERFORMING
G18	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	92
G16	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	92
G4	PERFORM ASG-21 HYDRAULIC SERVICING	90
G6	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	90
G23	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	90
G41	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	90
G19	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	90
G24	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FSC) ON B-52H	90
G15	REMOVE OR REPLACE ANTENNAS ON B-52H	88
G37	REMOVE OR REPLACE PRESSURIZATION SHUTOFF CONTROLS ON B-52H	88
G39	REMOVE OR REPLACE SYSTEM CONTROL ASSEMBLIES (SCA) ON B-52H	88
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	88
G36	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	85
F2	BRIEF OR DEBRIEF CREWS	85
G1	ARM OR DISARM M-61 GUNS ON B-52H	83
G5	PERFORM ASG-21 PHASE INSPECTIONS	83
E10	INITIATE UNSATISFACTORY REPORTS	83
F10	LACE ELECTRICAL WIRING ASSEMBLIES	83
F1	ARM OR DISARM DFCS WEAPONS	82
G21	REMOVE OR REPLACE FCS CONTROLS ON B-52H	80
G20	REMOVE OR REPLACE ELECTRONIC POWER SUPPLIES ON B-52H	78
G34	REMOVE OR REPLACE M-61 GUNS ON B-52H	77
F 3	CONDUCT DECS CHECKOUTS FOR AIRCRAFT READINESS IN ACCORDANCE WITH	
,-	AIRCRAFT FORMS	77
G34		77

B-52H FCS SUPERVISORS (GRP073) N=11

TASK		PERCENT MEMBERS PERFORMIN
B32	SUPERVISE DEFENSIVE FIRE CONTROL SYSTEMS SPECIALISTS (AFSC 32150E)	100
B9	DIRECT FLIGHTLINE MAINTENANCE	100
B29	SUPERVISE APPRENTICE DEFENSIVE FIRE CONTROL SYSTEMS MECHANICS	
	(AFSC 32130E)	100
G23	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	100
G24	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FSC) ON B-52H	100
G41	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	100
G19	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	100
G2	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUs	100
F7	DRIVE VEHICLES FOR DFCS MAINTENANCE SUPPORT	100
A10	PLAN OR SCHEDULE WORK ASSIGNMENTS	100
F8	INTERPRET TO WIRING OR CIRCUIT DIAGRAMS FOR SUBORDINATES	100
G4	PERFORM ASG-21 HYDRAULIC SERVICING	100
G18	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	100
G16	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	100
G6	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	100
F3	CONDUCT DFCS CHECKOUTS FOR AIRCRAFT READINESS IN ACCORDANCE WITH	
	AIRCRAFT FORMS	100
D5	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	100
G15	REMOVE OR REPLACE ANTENNAS ON B-52H	100
F1	ARM OR DISARM DFCS WEAPONS	100
G1	ARM OR DISARM M-61 GUNS ON B-52H	100
C22	WRITE AIRMEN PERFORMANCE REPORTS (APR)	100
F2	BRIEF OR DEBRIEF CREWS	100
G32	REMOVE OR REPLACE LIMIT MECHANISMS ON B-52H	100
G10	PREPARE FOR INFLIGHT FIRING ON B-52H	100

B-52H FCS SHOP LEAD MECHANICS (GRP093) N=6

TASK		PERCENT MEMBERS PERFORMING
B8	DIRECT FIELD SHOP MAINTENANCE	100
B29	SUPERVISE APPRENTICE DEFENSIVE FIRE CONTROL SYSTEMS MECHANICS	
	(AFSC 32130E)	100
H26	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CONTROL INDICATORS	100
H38	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TCAs	100
B3 2	SUPERVISE DEFENSIVE FIRE CONTROL SYSTEMS SPECIALISTS (AFSC 32150E)	
H29	PERFORM IN-SHOP MAINTENANCE ON ASG-21 FCTs	100
H12	ISOLATE MALFUNCTIONS ON CONTROL INDICATOR TEST SETS TO REPLACEABLE	
	SUBASSEMBLIES	100
E19	POST ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	100
H39	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TEST SETS	100
H23	PERFORM IN-SHOP MAINTENANCE ON ASG-21 BALLISTIC COMPUTERS	100
H37	PERFORM IN-SHOP MAINTENANCE ON ASG-21 SCAs	100
H10	ISOLATE MALFUNCTIONS ON BALLISTIC COMPUTER TEST SETS TO REPLACEABLE	
	SUBASSEMBLIES	100
H17	ISOLATE MALFUNCTIONS ON TCA TEST SETS TO REPLACEABLE SUBASSEMBLIES	100
H22	PERFORM IN-SHOP MAINTENANCE ON ASG-21 ANTENNAS	100
C4	EVALUATE COMPLETED MAINTENANCE ACTIONS	100
F8	IN ERPRET TO WIRING OR CIRCUIT DIAGRAMS FOR SUBORDINATES	100
E18	POST ENTRIES ON EQUIPMENT MAINTENANCE AND RECORD FORMS	100
A7	ESTABLISH WORK PRIORITIES	100
H27	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CLPs	100
H4	CALIBRATE CONTROL INDICATOR TEST SETS	100
F16	SCHEDULE CALIBRATION OR CALIBRATE CATEGORY II TEST EQUIPMENT	100
H2	CALIBRATE BALLISTIC COMPUTER TEST SETS	100
Н8	CALIBRATE TCA TEST SETS	100

B-52H FCS SHOP TECHNICIANS (GRP089) N=6

TASK		PERCENT MEMBERS PERFORMING
H23	PERFORM IN-SHOP MAINTENANCE ON ASG-21 BALLISTIC COMPUTERS	100
H38	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TCAs	100
H27	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CLPs	100
H29	PERFORM IN-SHOP MAINTENANCE ON ASG-21 FCTs	100
H37	PERFORM IN-SHOP MAINTENANCE ON ASG-21 SCAs	100
H22	PERFORM IN-SHOP MAINTENANCE ON ASG-21 ANTENNAS	100
H26	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CONTROL INDICATORS	100
H30 H10	PERFORM IN-SHOP MAINTENANCE ON ASG-21 FREQUENCY SELECTOR ASSEMBLIES ISOLATE MALFUNCTIONS ON BALLISTIC COMPUTER TEST SETS TO REPLACEABLE	
	SUBASSEMBLIES	100
F12	PERFORM IN-SHOP MAINTENANCE ON TEST PLUGS OR CABLES	100
H11	ISOLATE MALFUNCTIONS ON CLP TEST SETS TO REPLACEABLE SUBASSEMBLIES	100
H25	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CONTROLS	100
H12	ISOLATE MALFUNCTIONS ON CONTROL INDICATOR TEST SETS TO REPLACEABLE	
	SUBASSEMBLIES	100
E4	COMPLETE FORMS	100
H17	ISOLATE MALFUNCTIONS ON TCA TEST SETS TO REPLACEABLE SUBASSEMBLIES	100
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	100
H9 F4	ISOLATE MALFUNCTIONS ON ANTENNA TEST SETS TO REPLACEABLE SUBASSEMBLIES CLEAN OR REPLACE LINE REPLACEABLE UNITS (LRU) TEST SET OR BLACK BOX	100
	DUST FILTERS	100
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	100
F10	LACE ELECTRICAL WIRING ASSEMBLIES	100
G2	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUs	100
F11	OPERATE POWERED OR NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) SUCH AS	
H15	MD-3, NF-2, MD-4, B-9 OR BT-400 ISOLATE MALFUNCTIONS ON GUN CONTROLS OF FCS CONTROL TEST SETS TO	100
	REPLACEABLE SUBASSEMBLIES	100

SUPERVISORY AND MANAGERIAL CLUSTER (GRP010) N=81

TASK		PERCENT MEMBERS PERFORMIN
B1	BRIEF PERSONNEL	90
B4	COUNSEL SUBORDINATES ON PERSONAL OR MILITARY RELATED PROBLEMS	80
B23	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	76
B12	DRAFT CORRESPONDENCE	74
C4	EVALUATE COMPLETED MAINTENANCE ACTIONS	72
C5	EVALUATE COMPLIANCE WITH WORK STANDARDS	72
E4	COMPLETE FORMS	70
B5	DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	69
B2	CONDUCT OR PARTICIPATE IN STAFF MEETINGS	69
C10	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	68
C7	EVALUATE INSPECTION REPORTS OR PROCEDURES	67
C18	INSPECT FLIGHTLINE OR SHOP FACILITIES	67
C1	EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	65
B18	IMPLEMENT SAFETY PROGRAMS OR PROCEDURES	65
C22	WRITE AIRMEN PERFORMANCE REPORTS (APR)	62
A10	PLAN OR SCHEDULE WORK ASSIGNMENTS	62
B3	CORRELATE MAINTENANCE REQUIREMENTS WITH OTHER MAINTENANCE ORGANIZATIONS	60
C11	EVALUATE NEWLY ASSIGNED PERSONNEL	60
D5	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	60
E5	CORRECT OR UPDATE REPORTS	59
A9	PLAN OR PREPARE BRIEFINGS	59
R19	IMPLEMENT SECURITY PROGRAMS OF PROCEDURES	59

FCS BRANCH CHIEFS (GRP088) N=30

TASK		PERCENT MEMBERS PERFORMING
B23	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	100
B12	DRAFT CORRESPONDENCE	100
B1	BRIEF PERSONNEL	100
B2	CONDUCT OR PARTICIPATE IN STAFF MEETINGS	100
B4	CONUSEL SUBORDINATES ON PERSONAL OR MILITARY RELATED PROBLEMS	100
B3	CORRELATE MAINTENANCE REQUIREMENTS WITH OTHER MAINTENANCE ORGANIZATIONS	100
A1	ASSIGN PERSONNEL TO DUTY POSITIONS	100
B18	IMPLEMENT SAFETY PROGRAMS OR PROCEDURES	100
B25	PRESENT SUPERVISORY INDOCTRINATION TO NEWLY ASSIGNED PERSONNEL	97
C20	RECOMMEND PERSONNEL FOR AWARDS	97
A15	SCHEDULE LEAVES OR PASSES	97
C6	EVALUATE INDIVIDUALS FOR DEMOTION, PROMOTION OR RECLASSIFICATION	97
C10	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	97
B7	DIRECT ADMINISTRATIVE FUNCTIONS	97
B25	PRESENT SUPERVISORY INDOCTRINATION TO NEWLY ASSIGNED PERSONNEL	97
C20	RECOMMEND PERSONNEL FOR AWARDS	97
C18	INSPECT FLIGHT LINE OR SHOP FACILITIES	93
C22	WRITE AIRMEN PERFORMANCE REPORTS (APR)	93
C17	EVALUATE WORK SCHEDULES	93
B 5	DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	93
C1	EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	93
C4	EVALUATE COMPLETED MAINTENANCE ACTIONS	93
C11	EVALUATE NEWLY ASSIGNED PERSONNEL	93

HQs FCS QUALITY CONTROL INSPECTORS (GRP078) N=8

TASK		PERCENT MEMBERS PERFORMING
C18	INSPECT FLIGHTLINE OR SHOP FACILITIES	100
C4	EVALUATE COMPLETED MAINTENANCE ACTIONS	100
C5	EVALUATE COMPLIANCE WITH WORK STANDARDS	100
C7	EVALUATE INSPECTION REPORTS OR PROCEDURES	100
B23	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	100
E1	COMPILE INSPECTION REPORTS OR RECORDS	100
E4	COMPLETE FORMS	100
C1	EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	100
C2	EVALUATE ALERT OR EMERGENCY PROCEDURES	100
B12	DRAFT CORRESPONDENCE	100
C10	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	87
C16	EVALUATE UNSATISFACTORY REPORTS	87
E5	CORRECT OR UPDATE REPORTS	87
C11	EVALUATE NEWLY ASSIGNED PERSONNEL	87
B1	BRIEF PERSONNEL	87
C13	EVALUATE REPORTED TECHNICAL ORDER (TO) DEFICIENCIES	87
B18	IMPLEMENT SAFETY PROGRAMS OR PROCEDURES	87
C14	EVALUATE SAFETY OR SECURITY PROGRAMS	75
C19	INVESTIGATE ACCIDENTS OR INCIDENTS	75
C3	EVALUATE CHARTS OR GRAPHS	75
D10	EVALUATE TRAINING OF INDIVIDUALS OR UNITS	62
E21	PREPARE DEAFTS OF CORRESPONDENCE OR REPORTS	62
C24	WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	62
E10	INITIATE UNSATISFACTORY REPORTS	62

FCS QUALITY CONTROL INSPECTORS (GRP018) N=9

TASK		PERCENT MEMBERS PERFORMING
C4	EVALUATE COMPLETED MAINTENANCE ACTIONS	100
C18	INSPECT FLIGHTLINE OR SHOP FACILITIES	89
E1	COMPILE INSPECTION REPORTS OR RECORDS	89
C5	EVALUATE COMPLIANCE WITH WORK STANDARDS	78
E4	COMPLETE FORMS	67
B12	DRAFT CORRESPONDENCE	67
B1	BRIEF PERSONNEL	67
E21	PREPARE DRAFTS OF CORRESPONDENCE OR REPORTS	56
C3	EVALUATE CHARTS OR GRAPHS	56
C1	EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	56
C15	EVALUATE SUGGESTIONS	56
E2	COMPILE REPORTS OR RECORDS FROM DATA ON MAINTENANCE FORMS	44
B2	CONDUCT OR PARTICIPATE IN STAFF MEETINGS	44
C7	EVALUATE INSPECTION REPORTS OR PROCEDURES	44
C19	INVESTIGATE ACCIDENTS OR INCIDENTS	44
B5	DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	44
C24	WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS	44
E19	POST ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	44

FCS TECHNICAL SCHOOL INSTRUCTORS (GRP034) N=10

TASK		PERCENT MEMBERS PERFORMING
D3	CONDUCT RESIDENT TECHNICAL TRAINING COURSES	100
F8	INTERPRET TO WIRING OR CIRCUIT DIAGRAMS FOR SUBORDINATES	100
D1	ADMINISTER OR SCORE TESTS	100
D17	WRITE TEST QUESTIONS	100
B1	EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDURES	100
B4	EVALUATE COMPLETED MAINTENANCE ACTIONS	100
D5	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	90
D6	DEVELOP TECHNICAL COURSE MATERIALS	80
E4	COMPLETE FORMS	80
F11	OPERATE POWERED OR NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) SUCH AS	
	MD-3, NF-2, MD-4, B-9, OR BT-400	70
B23	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	70
B5	DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	60
D10	EVALUATE TRAINING OF INDIVIDUALS OR UNITS	60
C5	EVALUATE COMPLIANCE WITH WORK STANDARDS	50
120	PERFORM COMPLETE OPERATIONAL CHECKOUTS ON B-52D/G	50
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	50
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	50
A9	PLAN OR PREPARE BRIEFINGS	50
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	50
E9	IDENTIFY INFORMATION AS SENSITIVE, UNCLASSIFIED OR OF POSSIBLE	
	INTELLIGENCE VALUE	50
B19	IMPLEMENT SECURITY PROGRAMS OR PROCEDURES	50
E18	POST ENTRIES ON EQUIPMENT MAINTENANCE AND RECORD FORMS	50
E14	MAKE CHANGES TO COMPONENT MAINTENANCE OR TESTING PROCEDURES	50
C6	EVALUATE INDIVIDUALS FOR DEMOTION, PROMOTION OR RECLASSIFICATION	50
B18	IMPLEMENT SAFETY PROGRAMS OR PROCEDURES	50

B-52H FCS FLIGHTLINE MECHANIC (GRP099) N=8

TASK		PERCENT MEMBERS PERFORMING
F1	ARM OR DISARM DFCS WEAPONS	100
G23	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	100
G1	ARM OR DISARM M-61 GUNS ON B-52H	100
G41	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	100
G4	PERFORM ASG-21 HYDRAULIC SERVICING	100
G34	REMOVE OR REPLACE M-61 GUNS ON B-52H	100
G15	REMOVE OR REPLACE ANTENNAS ON B-52H	100
G16	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	100
G19	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	100
G2	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUS	100
G10	PREPARE FOR INFLIGHT FIRING ON B-52H	100
G6	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	100
G36	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	100
G24	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FCS) ON B-52H	100
G18	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	100
G30	REMOVE OR REPLACE HYDRAULIC SERVO VALVES ON B-52H	100
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	100
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	100
F2	BRIEF OR DEBRIEF CREWS	100
G28	REMOVE OR REPLACE GUN DRIVE MOTORS ON B-52H	100
G29	REMOVE OR REPLACE GUN FEEDERS ON B-52H	100
G21	REMOVE OR REPLACE FCS CONTROLS ON B-52H	100
G25	REMOVE OR REPLACE GUN CONTROL ASSEMBLIES ON B-52H	100

B-52H FCS ENTRY FLIGHTLINE MECHANICS (GRP118) N=19

TASK		PERCENT MEMBERS PERFORMING
G4	PERFORM ASG-21 HYDRAULIC SERVICING	100
G2	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUS	100
G24	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FCS) ON B-52H	100
G23	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	100
G6	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	100
G41	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	100
G19	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	100
G16	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	100
G39	REMOVE OR REPLACE SYSTEM CONTROL ASSEMBLIES (SCA) ON B-52H	100
G15	REMOVE OR REPLACE ANTENNAS ON B-52H	100
G18	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	100
G1	ARM OR DISARM M-61 GUNS ON B-52H	100
G5	PERFORM ASG-21 PHASE INSPECTIONS	100
F1	ARM OR DISARM DFCS WEAPONS	100
G36	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	100
F3	CONDUCT DFCS CHECKOUTS FOR AIRCRAFT READINESS IN ACCORDANCE WITH	
	AIRCRAFT FORMS	95
F2	BRIEF OR DEBRIEF CREWS	95
G20	REMOVE OR REPLACE ELECTRONIC POWER SUPPLIES ON B-52H	95
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	95
G29	REMOVE OR REPLACE GUN FEEDERS ON B-52H	95
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	89
G34	REMOVE OR REPLACE M-61 GUNS ON B-52H	89

B-52H FCS SHOP MECHANICS (GRP033) N=6

TASK		PERCENT MEMBERS PERFORMING
H23	PERFORM IN-SHOP MAINTENANCE ON ASG-21 BALLISTIC COMPUTERS	100
H22	PERFORM IN-SHOP MAINTENANCE ON ASG-21 AMMUNITION FEED CHUTES	100
H37	PERFORM IN-SHOP MAINTENANCE ON ASG-21 SCAs	100
H38	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TCAs	100
H29	PERFORM IN-SHOP MAINTENANCE ON ASG-21 FCTs	83
F12	PERFORM IN-SHOP MAINTENANCE ON TEST PLUGS OR CABLES	83
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	83
H27	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CLPs	83
H35	PERFORM IN-SHOP MAINTENANCE ON ASG-21 PRESSURIZATION PACKAGES	83
H30	PERFORM IN-SHOP MAINTENANCE ON ASG-21 FREQUENCY SELECTOR ASSEMBLIES	
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	67
E15	PERFORM ACCOUNT CUSTODIAL DUTIES	67
H39	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TEST SETS	67
H40	PERFORM IN-SHOP MAINTENANCE ON ASG-21 TEST SET SUBASSEMBLIES	67
F10	LACE ELECTRICAL WIRING ASSEMBLIES	67
H10	ISOLATE MALFUNCTIONS ON BALLISTIC COMPUTER TEST SETS TO REPLACEABLE	
	SUBASSEMBLIES	67
H25	PERFORM IN-SHOP MAINTENANCE ON ASG-21 CONTROLS	50
H42	PERFORM IN-SHOP ON ASG-21 VOLTAGE REGULATORS	50
F4	CLEAN OR REPLACE LINE REPLACEABLE UNITS(LRU) TEST SET OR BLACK BOX	
	DUST FILTERS	50
E12	MAINTAIN MAINTENANCE DATA RECORDS	50
H17	ISOLATE MALFUNCTIONS ON TCA TEST SETS TO REPLACEABLE SUBASSEMBLIES	50
E24	PREPARE WORK ORDERS	50
Н9	ISOLATE MALFUNCTIONS ON ANTENNA TEST SETS TO REPLACEABLE SUBASSEMBLIES	50

APPENDIX B

TASKS COMMONLY PERFORMED BY DAFSC GROUPS

TABLE 1
TASKS PERFORMED BY 321X1E PERSONNEL

TASK		PERCENT MEMBERS PERFORMING
E4	COMPLETE FORMS	77
G16	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	74
G18	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	74
G4	PERFORM ASG-21 HYDRAULIC SERVICING	73
G6	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	73
G19	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	73
G41	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	73
G23	REMOVE OR REPLACE FREQUENCY CONVERTER TRANSMITTERS (FCT) ON B-52H	73
G24	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FCS) ON B-52H	73
G15	REMOVE OR REPLACE ANTENNAS ON B-52H	73
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	73
G2	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUS	71
G39	REMOVE OR REPLACE SYSTEM CONTROL ASSEMBLIES (SCA) ON B-52H	71
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	71
F2	BRIEF OR DEBRIEF CREWS	71
G1	ARM OR DISARM M-61 GUNS ON B-52H	69
G5	PERFORM ASG-21 PHASE INSPECTIONS	69
G36	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	69
F10	LACE ELECTRICAL WIRING ASSEMBLIES	69
F1	ARM OR DISARM DFCS WEAPONS	67
G27	REMOVE OR REPLACE GUN COVER BOOTS ON B-52H	67

TABLE 2
TASKS PERFORMED BY 321X1G PERSONNEL

TASK		PERCENT MEMBERS PERFORMING
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	77
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	77
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	76
I18	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	75
F1	ARM OR DISARM DFCS WEAPONS	75
I1	ISOLATE MALFUNCTIONS IN ACQUISITION MODE ON B-52D/G	75
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	75
120	PERFORM COMPLETE OPERATIONAL CHECKOUTS ON B-52D/G	75
I11	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	74
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	74
115	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	74
18	ISOLATE MALFUNCTIONS IN MANUAL TRACKING MODE ON B-52D/G	74
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	74
110	ISOLATE MALFUNCTIONS IN RADAR RANGING ON B-52D/G	74
119	PERFORM AMMUNITION LOADING OR ARMING PROCEDURES ON B-52D/G	74
120	PERFORM COMPLETE OPERATIONAL CHECKOUTS ON B-52D/G	74
I13	ISOLATE MALFUNCTIONS IN SEARCH RADAR TRANSMITTING AND RECEIVER LOOPS	
	ON B-52D/G	74
14	ISOLATE MALFUNCTIONS IN HYDRAULIC DRIVE SYSTEM ON B-52D/G	74
17	ISOLATE MALFUNCTIONS IN ON MODE ON B-52D/G	74
13	ISOLATE MALFUNCTIONS IN EMERGENCY SEARCH MODE ON B-52D/G	74
12	ISOLATE MALFUNCTIONS IN EMERGENCY MODE ON B-52D/G	74
i12	ISOLATE MALFUNCTIONS IN SEARCH MODE ON B-52D/G	74

TABLE 3
TASKS PERFORMED BY 32151E PERSONNEL

TASK		PERCENT MEMBERS PERFORMING
		I Did Sidiffic
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	87
G2	ISOLATE MALFUNCTIONS ON ASG-21 FCS TO LRUs	84
G4	PERFORM ASG-21 HYDRAULIC SERVICING	84
G21	REMOVE OR REPLACE FCS CONTROLS ON B-52H	84
G41	REMOVE OR REPLACE TRACKING CONTROL ASSEMBLIES (TCA) ON B-52H	84
G24	REMOVE OR REPLACE FREQUENCY SELECTOR CONTROLS (FSC) ON B-52H PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	84
G6	PERFORM FAST-OPERATIONAL CHECKOUTS OF ASG-21 DFCS	84
G19	REMOVE OR REPLACE CONTROLLED LINE PLATFORMS (CLP) ON B-52H	84
G39	REMOVE OR REPLACE SYSTEM CONTROL ASSEMBLIES (SCA) ON B-52H	84
G15	REMOVE OR REPLACE ANTENNAS ON B-52H	84
G16	REMOVE OR REPLACE BALLISTIC COMPUTERS ON B-52H	84
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	84
G18	REMOVE OR REPLACE CONTROL INDICATORS ON B-52H	84
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	84
F2	BRIEF OR DEBRIEF CREWS	79
G5	PERFORM ASG-21 PHASE INSPECTIONS	79
F10	LACE ELECTRICAL WIRING ASSEMBLIES	79
F3	CONDUCT DFCS CHECKOUTS FOR AIRCRAFT READINESS IN ACCORDANCE WITH	
	AIRCRAFT FORMS	76
E4	COMPLETE FORMS	76
G1	ARM OR DISARM M-61 GUNS ON B-52D/G	76
F3	CONDUCT DFCS CHECKOUTS FOR AIRCRAFT READINESS IN ACCORDANCE WITH	
	AIRCRAFT FORMS	76
F1	ARM OR DISARM DFCS WEAPONS	76
G36	REMOVE OR REPLACE PRESSURIZATION PACKAGES ON B-52H	76
G21	REMOVE OR REPLACE FCS CONTROLS ON B-52H	76
G34	REMOVE OR REPLACE M-61 GUNS ON B-52H	76

TABLE 4
TASKS PERFORMED BY 32171E PERSONNEL

TASK		PERCENT MEMBERS PERFORMING
E4	COMPLETE FORMS	83
D5	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	79
B1	BRIEF PERSONNEL	79
D2	CONDUCT OJT	75
B4	COUNSEL SUBORDINATES ON PERSONAL OR MILITARY RELATED PROBLEMS	75
F8	INTERPRET TO WIRING OR CIRCUIT DIAGRAMS FOR SUBORDINATES	75
C4	EVALUATE COMPLETED MAINTENANCE ACTIONS	71
C10	EVALUATE MAINTENANCE OF EQUIPMENT OR SUPPLIES	71
B29	SUPERVISE APPRENTICE DEFENSIVE FIRE CONTROL SYSTEMS MECHANICS	
	(AFSC 32130E)	71
A10	PLAN OR SCHEDULE WORK ASSIGNMENTS	71
E18	POST ENTRIES ON EQUIPMENT MAINTENANCE AND RECORD FORMS	71
C22	WRITE AIRMEN PERFORMANCE REPORTS (APR)	71
B32	SUPERVISE DEFENSIVE FIRE CONTROL SYSTEMS SPECIALISTS (AFSC 32150E)	
B12	DRAFT CORRESPONDENCE	67
B9	DIRECT FLIGHTLINE MAINTENANCE	62
B23	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	62
B6	DEVELOP OR MAINTAIN STATUS BOARDS, GRAPHS, OR CHARTS	62
E19	POST ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	62
G9	PERFORM PNEUMATIC SYSTEM LEAK CHECKS ON B-52H	62
A7	ESTABLISH WORK PRIORITIES	62
G1	ARM OR DISARM M-61 GUNS ON B-52H	62
B5	DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	62
F2	BRIEF OR DEBRIEF CREWS	62

TABLE 5
TASKS PERFORMED BY 32151G PERSONNEL

TASK		PERCENT MEMBERS PERFORMING
128	PERFORM TRACKING CHANNELS (LOCK-ON) CHECKS OR ADJUSTMENTS ON B-52D/G	87
123	PERFORM FCS FEO CHECKOUTS ON B-52D/G	87
122	PERFORM FAST OPERATIONAL CHECKOUTS ON B-52D/G	87
F1	ARM OR DISARM DFCS WEAPONS	84
120	PERFORM COMPLETE OPERATIONAL CHECKOUTS ON B-52D/G	84
F13	REMOVE OR REPLACE ASSOCIATED FCS ELECTRICAL CONNECTORS	83
177	REMOVE OR REPLACE TURRET COWLING OR SIDE ARMS ON B-52D/G	83
173	REMOVE OR REPLACE TARGET POSITION COMPUTERS ON B-52D/G	83
I15	ISOLATE MALFUNCTIONS IN TRACK RADAR TRACKING CHANNELS ON B-52D/G	
168	REMOVE OR REPLACE SEARCH PULSE SWEEP GENERATORS (PSG) ON B-52D/G	
133	REMOVE OR REPLACE ANTENNAS ON B-52D/G	83
F15	REMOVE, REPLACE OR SPLICE FCS ELECTRICAL WIRING	83
159	REMOVE OR REPLACE MODULATORS ON B-52D/G	83
11	ISOLATE MALFUNCTIONS IN ACQUISITION MODE ON B-52D/G	83
I18	PERFORM AMMUNITION DEARMING OR UNLOADING PROCEDURES ON B-52D/G	83
125	PERFORM INFLIGHT-FIRING PREPARATION CHECKS ON B-52D/G	83
167	REMOVE OR REPLACE SEARCH FREQUENCY CONVERTER TRANSMITTERS ON B-52D/G	83
163	REMOVE OR REPLACE RADAR INDICATORS ON B-52D/G	83
I11	ISOLATE MALFUNCTIONS IN RADAR TRACK RADAR RANGE MODE ON B-52D/G	82
174	REMOVE OR REPLACE TRACK FCTs ON B-52D/G	82
110	ISOLATE MALFUNCTIONS IN RADAR RANGING ON B-52D/G	82
169	REMOVE OR REPLACE SERVO CENTRALS ON B-52D/G	82
F2	BRIEF OR DEBRIEF CREWS	82
138	REMOVE OR REPLACE COMPUTER CENTRALS ON B-52D/G	82
I13	ISOLATE MALFUNCTIONS IN SEARCH RADAR TRANSMITTING AND RECEIVER LOOPS	00
178	ON B-52D/G REMOVE OR REPLACE .50 CALIBER M-3 GUNS ON B-52D/G	82 82

TABLE 6 TASKS PERFORMED BY 32171G PERSONNEL

	TASKS PERFORMED BY 323	PERCENT MEMBERS PERFORMING
		82
		80
TASK		79
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